

Title (en)

UV REACTIVE SPRAY CHAMBER FOR ENHANCED SAMPLE INTRODUCTION EFFICIENCY

Title (de)

UV-REAKTIVE SPRÜHKAMMER ZUR VERBESSERTEN PROBENEINFÜHRUNGSEFFIZIENZ

Title (fr)

CHAMBRE DE PULVÉRISATION RÉACTIVE AU RAYONNEMENT UV POUR UNE EFFICACITÉ AMÉLIORÉE DE L'INTRODUCTION D'ÉCHANTILLONS

Publication

EP 1828743 A1 20070905 (EN)

Application

EP 05815978 A 20051212

Priority

- CA 2005001870 W 20051212
- US 63544704 P 20041214

Abstract (en)

[origin: WO2006063438A1] An analyte for atomic spectrometry detection is prepared by introducing an aerosol of the analyte into a chamber, and irradiating the aerosol with ultraviolet light in the presence of a low molecular weight organic acid or other suitable photoactivatable ligand donor species to create vapor containing the analyte. The vapor containing the analyte is extracted from the chamber and used for atomic spectrometry detection.

IPC 8 full level

G01N 21/31 (2006.01); **B01L 99/00** (2010.01); **G01N 21/63** (2006.01)

CPC (source: EP US)

G01N 21/3103 (2013.01 - EP US); **G01N 21/631** (2013.01 - EP US); **B01L 3/0268** (2013.01 - EP US); **G01N 30/724** (2013.01 - EP US); **G01N 2001/2223** (2013.01 - EP US); **G01N 2001/4066** (2013.01 - EP US); **G01N 2030/8447** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006063438 A1 20060622; AU 2005316145 A1 20060622; AU 2005316145 B2 20110901; CA 2588327 A1 20060622; CA 2588327 C 20140819; EP 1828743 A1 20070905; EP 1828743 A4 20100428; US 2009236544 A1 20090924; US 7829872 B2 20101109

DOCDB simple family (application)

CA 2005001870 W 20051212; AU 2005316145 A 20051212; CA 2588327 A 20051212; EP 05815978 A 20051212; US 72131305 A 20051212